

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A data transfer control device for transferring data among a plurality of nodes that are connected to a bus, the data transfer control device comprising:

~~means for starting a control circuit which starts~~ transfer processing when processing ~~means-unit~~ issues a start command for data transfer, and ~~for resuming-resumes~~ transfer processing when the processing ~~means-unit~~ issues a resume command for data transfer;

~~a transfer execution circuit which executes processing for dividing transfer data into a series of packets and transferring the divided series of packets continuously, when the processing unit issues the start command for data transfer;~~

~~a cancellation means-for-canceling-circuit which cancels~~ an execution of ~~one~~ of the start command ~~or-and~~ the resume command, when the processing ~~means-unit~~ issues ~~one~~ of the start command ~~or-and~~ the resume command, respectively, during a period of a reset that clears node topology information; and

~~means-for-informing-a circuit which informs~~ the processing ~~means-unit~~ that command execution has been canceled by the reset.

2. (Currently Amended) The data transfer control device as defined in claim 1, further comprising:

~~means-for-issuing an interrupt controller which issues~~ an interrupt with respect to the processing ~~means-unit~~ when an execution of the start command or the resume command for data transfer is cancelled by the occurrence of the reset; and

factor storage ~~means for informing register which informs~~ the processing ~~means-unit~~ of a factor of the interrupt.

3. (Currently Amended) The data transfer control device as defined in claim 1, wherein the cancellation ~~means-circuit~~ cancels the start command or the resume command by using a signal that goes active during the reset period to mask a signal that goes active when the processing ~~means-unit~~ issues the start command or the resume command.

4. (Currently Amended) The data transfer control device as defined in claim 1, further comprising:

~~means for pausing a pause control circuit which pauses~~ transfer processing at a previously determined location when the processing ~~means-unit~~ issues a data transfer pause command or when a transfer error occurs.

5. (Canceled)

6. (Original) The data transfer control device as defined in claim 1, wherein the reset is a bus reset as defined by the IEEE 1394 standard.

7. (Currently Amended) A data transfer control device for transferring data among a plurality of nodes that are connected to a bus, the data transfer control device comprising:

a transfer execution ~~means for executing-circuit which executes~~ processing for dividing transfer data into a series of packets ~~then-and~~ transferring the divided series of packets continuously, when processing ~~means-unit~~ issues a start command for data transfer; and

a pause ~~means for pausing-control circuit which pauses~~ a transfer processing after a step execution of the transfer processing, when the processing ~~means-unit~~ issues a resume command and a pause command for data transfer together.

8. (Currently Amended) The data transfer control device as defined in claim 7,
wherein the pause ~~means~~ control circuit executes the step execution and the pause of the transfer processing, based on a resume signal that goes active when the resume command is issued, and a delay pause signal that goes active after a delay of a given period after the resume signal goes active when the resume command and the pause command are issued together.
9. (Original) The data transfer control device as defined in claim 1,
wherein data transfer is performed in accordance with the IEEE 1394 standard.
10. (Original) The data transfer control device as defined in claim 7,
wherein data transfer is performed in accordance with the IEEE 1394 standard.
11. (Original) Electronic equipment comprising:
the data transfer control device as defined in claim 1;
a device for performing given processing on data that has been received from another node via the data transfer control device and the bus; and
a device for outputting or storing data that has been subjected to the processing.
12. (Original) Electronic equipment comprising:
the data transfer control device as defined in claim 6;
a device for performing given processing on data that has been received from another node via the data transfer control device and the bus; and
a device for outputting or storing data that has been subjected to the processing.
13. (Original) Electronic equipment comprising:
the data transfer control device as defined in claim 7;

a device for performing given processing on data that has been received from another node via the data transfer control device and the bus; and

a device for outputting or storing data that has been subjected to the processing.

14. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 9;

a device for performing given processing on data that has been received from another node via the data transfer control device and the bus; and

a device for outputting or storing data that has been subjected to the processing.

15. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 10;

a device for performing given processing on data that has been received from another node via the data transfer control device and the bus; and

a device for outputting or storing data that has been subjected to the processing.

16. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 1;

a device for performing given processing on data that is to be transferred to another node via the data transfer control device and the bus; and

a device for fetching data to be subjected to the processing.

17. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 6;

a device for performing given processing on data that is to be transferred to another node via the data transfer control device and the bus; and

a device for fetching data to be subjected to the processing.

18. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 7;

a device for performing given processing on data that is to be transferred to another node via the data transfer control device and the bus; and

a device for fetching data to be subjected to the processing.

19. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 9;

a device for performing given processing on data that is to be transferred to another node via the data transfer control device and the bus; and

a device for fetching data to be subjected to the processing.

20. (Original) Electronic equipment comprising:

the data transfer control device as defined in claim 10;

a device for performing given processing on data that is to be transferred to another node via the data transfer control device and the bus; and

a device for fetching data to be subjected to the processing.